

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/08110

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C08G18/48 C08J9/12 C08J9/30 C08G18/38		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C08G C09J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 757 093 A (RICCIARDI MICHAEL A ET AL) 12 July 1988 (1988-07-12) column 3, line 9 -column 5, line 65 examples 2,6-11 column 1, line 13 - line 32 ---	1-4,6-9, 18,20
X	US 4 892 893 A (GRACE OSCAR M ET AL) 9 January 1990 (1990-01-09) examples 1,7 column 2, line 22 -column 8, line 4 ---	1-3,6-9, 15,22
A	DE 31 13 588 A (BAYER AG) 28 October 1982 (1982-10-28) page 27, paragraph 2 -page 28, paragraph 3 example 1 ---	4,5,13, 16-21, 23-40
X	DE 31 13 588 A (BAYER AG) 28 October 1982 (1982-10-28) page 27, paragraph 2 -page 28, paragraph 3 example 1 ---	1,3,6,8, 22
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
4 July 2003	16/07/2003	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer Neugebauer, U	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 830 926 A (SMIECINSKI THEODORE M ET AL) 3 November 1998 (1998-11-03) examples 1-4	1-40
X	US 5 639 483 A (MURRAY GRIFFITHS ANTHONY C ET AL) 17 June 1997 (1997-06-17) cited in the application example 2	1, 3, 4, 6-8, 22, 29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/08110

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4757093	A	12-07-1988	AU 631523 B2 AU 1955488 A BR 8807513 A CA 1303791 C DK 582289 A EP 0362286 A1 ES 2006952 A6 JP 3503774 T MX 167256 B MX 9300510 A1 WO 8809351 A1 ZA 8803661 A	03-12-1992 21-12-1988 27-03-1990 16-06-1992 19-01-1990 11-04-1990 16-05-1989 22-08-1991 12-03-1993 29-07-1994 01-12-1988 25-01-1989
US 4892893	A	09-01-1990	NONE	
DE 3113588	A	28-10-1982	DE 3113588 A1	28-10-1982
US 5830926	A	03-11-1998	NONE	
US 5639483	A	17-06-1997	IT 1264930 B1 IT MI932090 A1 US RE37075 E1 AT 152956 T AU 676913 B2 AU 6746494 A CA 2127475 A1 CN 1103353 A ,B DE 9411804 U1 DE 69403170 D1 DE 69403170 T2 DK 645226 T3 EP 0645226 A2 EP 0770466 A2 ES 2102734 T3 FI 943215 A GR 3024369 T3 JP 7164454 A NO 942522 A PL 304196 A1 US RE37115 E1 US RE37012 E1 US 5629027 A US 5620710 A ZA 9405028 A US 5665287 A	17-10-1996 30-03-1995 27-02-2001 15-05-1997 27-03-1997 27-01-1995 15-01-1995 07-06-1995 15-09-1994 19-06-1997 21-08-1997 15-12-1997 29-03-1995 02-05-1997 01-08-1997 15-01-1995 28-11-1997 27-06-1995 16-01-1995 23-01-1995 27-03-2001 09-01-2001 13-05-1997 15-04-1997 23-02-1995 09-09-1997